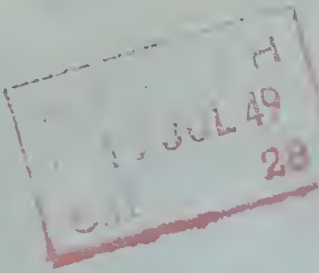


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1947

Carmarthen Rural Sanitary Authority

FIFTY-SIXTH

ANNUAL REPORT

of the Sanitary Conditions of the
Carmarthen Rural District
for the Year 1947

by

ELFYN T. JONES

B.Sc., M.R.C.S., L.R.C.P., D.P.H.

"Mercury," Llanelly.



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PREFACE.

To the Chairman and Members of the Carmarthen Rural District Council.

Mr. Chairman and Gentlemen,

I beg to present my Annual Report for the year ending December 31st, 1947.

As I stated in my Annual Report for last year we are entering a period of reconstruction, and I would again stress upon the Council the need for giving priority to those projects which appear to me to be of vital importance to the health of the people in the district. The projects are :—

- i. Housing.
- ii. Water Supplies.
- iii. Sewerage and Sewage Disposal.

Already plans have been drawn out for many of the foregoing projects and I would urge the Council to persist in their efforts until these projects are turned into actual schemes.

I wish to gratefully acknowledge the work carried out by my staff, and to thank the Members of the Council for the whole-hearted manner in which they have supported me.

I wish to thank my colleagues and their staff for their continued support and help.

I am, Gentlemen,

Your obedient Servant,

ELFYN T. JONES,

Medical Officer of Health.

STAFF—PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health:

Elfyn T. Jones, B.Sc., M.R.C.S., L.R.C.P., D.P.H.

Sanitary Inspectors:

Wm. Williams, M.S.I.A., M.R.San.I. (Meat Certificate).
Senior.

H. E. Williams, M.S.I.A., A.R.San.I. (Meat Certificate).

W. D. Morgan, Cert. R.S.I. (Commenced duties 20th
January, 1947.)

Rodent Operators:

H. S. Adams.

D. J. Jones.

T. G. Evans (Temporary).

J. W. Lloyd Harries (Terminated duties, 31/3/47).

Clerks:

D. J. Lewis.

D. J. G. Griffiths.

Clerk to the Rural District Council:

J. Jones, Esq.

Engineer and Surveyor to the Rural District Council:

G. G. Thomas, Esq.

SOCIAL CONDITIONS OF THE AREA.

The Carmarthen Rural District covers an area of 202,733 acres, and is divided into 29 Parishes, viz.:—Abergwili, Abernant, Conwil Elfed, Llanllawddog, Llanpumpsaint, Llanarthney, Llanddarog, Llangunnor, Llandefeilog, Llangendeirne, St. Ishmael, Llangain, Llangynog, Llanstephan, Newchurch, Laugharne Township, Llanddowror, Llanginning, Llanwinio, Mydrim, St. Clears, Trelech-ar-Bettws, Cilymaenllwyd, Henllanfallteg, Llandissilio-East, Eglwyscumin, Llanboidy, Pendine, and Whitland.

The population of the area, as estimated by the Registrar-General for mid-1947 is 28, 120, and statistics in this Report have been based upon this number, unless otherwise stated.

For Registration purposes, the area is divided into the following five Registration Sub-Districts:—

Abergwili and Llangain (Carmarthen Rural).
 Llangendeirne.
 St. Clears.
 Conwil.
 Llanboidy.

For Sanitary Administration purposes, the area is divided into three Divisions, and each is under the direct supervision of a Sanitary Inspector. The Divisions are as follows:—

Carmarthen Division ...	Parishes of Abernant, Conwil Elfed, Llanpumpsaint, Llangain, Llangynog, Llanstephan, Newchurch, Mydrim, Trelech-ar-Bettws, and Part of St. Clears.
Llangendeirne ...	Parishes of Abergwili, Llanllawddog, Llanarthney, Llanddarog, Llangunnor, Llandefeilog, Llangendeirne, and St. Ishmael.
Whitland Division ...	Parishes of Laugharne Township, Llanddowror, Llanginning, Llanwinio, Cilymaenllwyd, Henllanfallteg, Llandissilio-East, Eglwyscumin, Pendine, Whitland, and Part of St. Clears.

The area is mainly agricultural, the inhabitants being engaged in farming and trades allied to it. Milk Factories are situated at Whitland, St. Clears, and Pensarn (Llangunnor). Portions of the Parishes of Llanarthney, Llanddarog, and Llangendeirne border on the anthracite coalfield, and naturally, the main occupation of that area is coal mining. The Railways throughout the area provide employment for a large number, particularly in the Western Parishes around Whitland.

No particular occupation (coal mining excepted) can be said to have any prejudicial effect upon the health of the people.

The Rateable Value of the area is £65,263, the sum represented by a Penny Rate £269 17s. Od., and the number of inhabited houses at the end of the year according to the Rate Book is 7,902.

Comparison for the last 5 years.

Year.	1943	1944	1945	1946	1947
Population	28220	28480	28160	28230	28120
Rateable Value	£65,247	£65,520	£65,520	£65,539	£65,263
Penny Rate	£276/17/0	£273	£285	£273	£269/17/0
Inhabited Houses	7900	7790	7890	7898	7902

VITAL STATISTICS.

BIRTHS.

Live Births:

	Males.	Females.	Total.
Legitimate	258	236	494
Illegitimate	15	4	19

There were 513 live births during the year, and this represents a birth rate of 18.24 per 1,000 estimated resident population.

Still-births:

	Males.	Females.	Total.
Still-births	9	6	15

Still-birth rate per 1,000 total (live and still) births is 28.40.

Birth-Rate per 1,000 Population. 1893 to 1947.

Year.	Rate	Year	Rate	Year	Rate	Year	Rate
1893	28.14	1907	25.70	1921	23.30	1935	17.05
1894	27.55	1908	25.14	1922	20.60	1936	16.42
1895	28.32	1909	25.32	1923	21.20	1937	16.61
1896	28.30	1910	25.34	1924	19.60	1938	15.60
1897	27.42	1911	24.22	1925	19.80	1939	16.20
1898	26.98	1912	25.29	1926	20.10	1940	15.23
1899	25.48	1913	24.80	1927	18.40	1941	15.04
1900	26.40	1914	24.96	1928	18.09	1942	16.80
1901	25.94	1915	25.80	1929	16.80	1943	16.50
1902	26.15	1916	22.90	1930	15.50	1944	18.60
1903	26.11	1917	20.40	1931	16.40	1945	18.03
1904	22.81	1918	23.40	1932	15.10	1946	17.32
1905	26.08	1919	21.90	1933	15.10	1947	18.24
1906	24.66	1920	24.80	1934	17.20		

	Total.	Males.	Females.
Deaths	326	174	152
Death rate per 1,000 of the population—11.59.			

Death-Rate per 1,000 Population.
1893 to 1947.

Year	Rate	Year	Rate	Year	Rate	Year	Rate
1893	17.94	1907	15.19	1921	15.40	1935	14.96
1894	17.40	1908	15.17	1922	13.10	1936	16.87
1895	20.15	1909	14.77	1923	12.50	1937	16.71
1896	15.97	1910	17.13	1924	14.40	1938	13.27
1897	16.58	1911	15.39	1925	14.00	1939	14.16
1898	19.30	1912	13.37	1926	15.60	1940	14.99
1899	18.40	1913	14.63	1927	15.00	1941	12.33
1900	18.01	1914	16.70	1928	12.70	1942	11.67
1901	17.97	1915	13.90	1929	14.00	1943	12.08
1902	18.66	1916	15.70	1930	13.80	1944	12.25
1903	17.01	1917	15.00	1931	14.20	1945	12.77
1904	17.99	1918	21.00	1932	14.80	1946	12.78
1905	15.82	1919	15.90	1933	14.00	1947	11.59
1906	17.45	1920	13.90	1934	12.63		

Comparison of Death-Rate with other areas.

Area.	Death- Rate. 1945.	Death- Rate. 1946.	Death- Rate. 1947.
Carmarthen Rural District ...	12.77	12.78	11.59
England and Wales ...	11.4	11.5	12.0
126 County Boroughs and Great Towns (including London) ...	13.5	12.7	13.0
148 Smaller Towns ...	12.3	11.7	11.9

CAUSES OF DEATHS, 1947.

Cause of Death (Civilians only).	Males.	Females.	Total.	Death-rate per 1,000 population
Typhoid & Paratyphoid fevers	.....	.....	.....	.....
Cerebro-spinal fever	.....	.....	.....	.....
Scarlet Fever	.....	.....	.....	.....
Whooping Cough	1	.....	1	0.035
Diphtheria	.....	.....	.....	.....
Tuberculosis (Respiratory)	9	4	13	0.462
Tuberculosis (Other forms)	2	5	7	0.248
Syphilitic diseases	1	1	2	0.071
Influenza	1	1	2	0.071
Measles	.....	.....	.....	.....
Acute Poliomyelitis and Polio- encephalitis	.....	.....	.....	.....
Acute Infectious Encephalitis	.....	.....	.....	.....
Cancer (all sites)	14	23	37	1.315
Diabetes	.....	4	4	0.142
Intra-cranial vascular lesions	23	21	44	1.564
Heart disease	38	35	73	2.596
Other diseases of circulatory system	7	5	12	0.426
Bronchitis	8	6	14	0.497
Pneumonia	6	3	9	0.320
Other respiratory diseases	9	3	12	0.426
Ulcer of stomach or duodenum	1	1	2	0.071
Diarrhoea (under 2 years)	.....	2	2	0.071
Appendicitis	.....	1	1	0.035
Other digestive diseases	1	1	2	0.071
Nephritis	7	5	12	0.426
Puerperal and post-abortive sepsis	.....	1	1	0.035
Other maternal causes	.....	2	2	0.071
Premature Births	1	3	4	0.142
Congenital malformations, birth injury, infantile disease	3	1	4	0.142
Suicide	3	1	4	0.142
Road Traffic Accidents	1	1	2	0.071
Other violent causes	6	3	9	0.320
All other causes	32	19	51	1.813
Total	174	152	326	11.59

Infant Mortality:

Deaths of Infants under one year of age (M. 9; F. 8)	17
Live Births during the year (Legitimate and Illegitimate)	513
Death-rate of all Infants per 1,000 live births ...	33.138
Death-rate of Legitimate Infants per 1,000 legitimate live births	32.388
Death-rate of Illegitimate Infants per 1,000 illegitimate live births	52.632

**Infant Mortality Rate for 1,000 Live Births.
1893 to 1947.**

Year	Rate	Year	Rate	Year	Rate	Year	Rate
1893	102.3	1907	92.6	1921	97.3	1935	83.84
1894	120.0	1908	120.6	1922	61.0	1936	55.5
1895	151.8	1909	120.0	1923	57.0	1937	68.0
1896	110.0	1910	120.2	1924	93.0	1938	59.7
1897	111.0	1911	145.0	1925	61.0	1939	84.6
1898	151.0	1912	95.0	1926	79.0	1940	60.3
1899	145.5	1913	99.0	1927	90.1	1941	76.3
1900	117.6	1914	153.0	1928	78.0	1942	52.8
1901	151.8	1915	81.0	1929	98.0	1943	75.2
1902	167.0	1916	104.3	1930	82.0	1944	47.1
1903	134.8	1917	109.0	1931	72.0	1945	59.1
1904	169.8	1918	95.8	1932	68.0	1946	53.0
1905	102.4	1919	124.5	1933	75.0	1947	33.1
1906	136.6	1920	94.3	1934	80.0		

Comparison of Infant Mortality Rates:

	1945.	1946.	1947.
Carmarthen Rural District ...	59	53	33
England and Wales ...	46	43	41
126 County Boroughs and Great Towns (including London) ...	54	46	47
148 Smaller Towns ...	43	37	36

Causes of Infant Deaths:

Marasmus	4
Broncho Pneumonia	3
Prematurity	3
Gastro Enteritis	2
Whooping Cough... ..	1
Convulsions	1
Bronchial Asthma	1
Other Causes	2 (17)

Ages at which Infant Deaths occurred :

Under 1 week	...	...	...	5
1 week to 1 month	...	...	...	1
1 month to 3 months	...	...	...	6
3 months to 6 months	...	...	...	2
6 months to 9 months	...	...	...	2
9 months to 1 year	...	...	...	1
				<hr/>
Total	...	...	...	17

Maternal Deaths :

Deaths from Puerperal and post-abortion sepsis	...	1
Deaths from other Maternal causes	...	2
Death-rate from all Maternal causes	...	5.68 per 1,000 Births (Live and Still).

Deaths from Cancer :

Total number of deaths from Cancer (all ages)	...	37
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Ages at Death from Cancer :

Under 5 years	0
5 to 15 years	0
15 to 25 years	0
25 to 35 years	0
35 to 45 years	...	...	...	4
45 to 55 years	...	...	...	6
55 to 65 years	...	...	...	11
65 years and over...	...	...	...	16 (37)

Parts of the Body Involved :

Organ.	No. of Cases.		
	M.	F.	Total.
Buccal cavity and œsophagus (Males only)
Uterus (Females)
Stomach and duodenum
Breast
All other sites
			<hr/>
			37

Deaths from Tuberculosis:

	Males.	Females.	Total.
Number of deaths from Tuberculosis (Pulmonary)	9	4	13
Number of deaths from Tuberculosis (Non-pulmonary)...	2	5	7
Death-rate per 1,000 population (Pulmonary)	0.462		
Death-rate per 1,000 population (Non-pulmonary)	0.248		

Tuberculosis—Rate per 1,000 Population of Notifications:

Year.	Notifications.
1943	1.30
1944	1.12
1945	1.45
1946	1.27
1947	1.60

**Death-rates from Tuberculosis (Pulmonary and Non-Pulmonary)
per 1,000 Population.****1894—1947.**

Year	Rate. Non- Pulm. Pulm.	Year.	Rate. Non- Pulm. Pulm.	Year.	Rate. Non- Pulm. Pulm.
1894 2.335 0.424		1912 ... 1.357 ... 0.575		1930 ... 0.912 ... 0.041	
1895 1.576 0.298		1913 ... 1.065 ... 0.368		1931 ... 0.741 ... 0.164	
1896 1.302 0.294		1914 ... 1.511 ... 0.163		1932 ... 0.789 ... 0.083	
1897 1.721 0.251		1915 ... 0.854 0.732		1933 ... 0.970 ... 0.250	
1898 1.897 0.505		1916 ... 1.350 0.308		1934 ... 0.662 ... 0.069	
1899 1.993 0.212		1917 ... 1.450 0.331		1935 ... 0.660 ... 0.240	
1900 1.763 0.377		1918 ... 1.975 0.404		1936 ... 0.877 ... 0.210	
1901 1.669 0.299		1919 ... 1.433 0.390		1937 ... 0.810 ... 0.110	
1902 1.883 0.470		1920 ... 1.628 0.208		1938 ... 0.539 ... 0.107	
1903 1.288 0.644		1921 ... 1.322 0.289		1939 ... 0.364 ... 0.108	
1904 1.850 0.688		1922 ... 1.062 0.286		1940 ... 0.496 ... 0.035	
1905 1.422 0.603		1923 ... 1.387 0.163		1941 ... 0.489 ... 0.065	
1906 1.511 0.691		1924 ... 1.383 0.162		1942 ... 0.445 ... 0.136	
1907 1.817 0.649		1925 ... 1.105 0.368		1943 ... 0.637 ... 0.106	
1908 1.951 0.650		1926 ... 1.528 0.289		1944 ... 0.561 ... 0.070	
1909 1.477 0.608		1927 ... 1.115 0.206		1945 ... 0.319 ... 0.177	
1910 1.391 0.565		1928 ... 0.498 0.083		1946 ... 0.566 ... 0.177	
1911 1.280 0.206		1929 ... 0.829 0.207		1947 ... 0.462 ... 0.248	

**Distribution of Notifications and Deaths from Tuberculosis
during 1947 into Parishes.**

Parish.	NOTIFICATIONS.				No. OF DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Abergwili	1	.....	.....	.....	.....	.....	.....	1
Abernant	.....	1	.....	.....	.....	.....	.....	.....
Conwil Elfed	.....	2	.....	.....	.....	.....	.....	.....
Llanllawddog	1	.....	.....	.....	1	.....	.....	.....
Llanpumpsaint	2	.....	.....	.....	.....	.....	.....	.....
Llanarthney	6	4	2	.....	3	3	1	.....
Llanddarog	1	1	.....	1	.....	.....	.....	.....
Llangunnor	1	1	.....	1	1	.....	.....	.....
Llandefeilog	.....	.....	.....	.....	.....	.....	.....	.....
Llangendeirne	2	1	1	.....	2	.....	.....	.....
St. Ishmael	.....	1	1	.....	1	.....	.....	.....
Llangain	.....	.....	.....	.....	.....	.....	.....	.....
Llangynog	.....	.....	1	.....	.....	.....	.....	.....
Llanstephan	.....	1	.....	.....	.....	.....	.....	.....
Newchurch	.....	.....	.....	.....	.....	.....	.....	.....
Laugharne Town-ship	.....	.....	.....	1	.....	.....	1	1
Llanddowror	.....	.....	.....	.....	.....	.....	.....	.....
Llanginning	.....	.....	.....	.....	.....	.....	.....	.....
Llanwinio	.....	.....	.....	.....	.....	.....	.....	.....
Mydrim	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	.....	2	.....	2	1	.....	.....	.....
Trelech-ar-Bettws	.....	.....	.....	.....	.....	.....	.....	.....
Cilymaenllwyd	.....	.....	.....	.....	.....	.....	.....	.....
Henllanfallteg	.....	.....	.....	.....	.....	.....	.....	.....
Llandissilio-East	.....	.....	.....	.....	.....	1	.....	.....
Eglwyscumin	.....	1	.....	.....	.....	.....	.....	.....
Llanboidy	.....	1	.....	.....	.....	.....	.....	.....
Pendine	.....	.....	.....	.....	.....	.....	.....	.....
Whitland	1	3	.....	1	.....	.....	.....	3
	15	19	5	6 (45)	9	4	2	5 (20)

Tuberculosis—Notifications and Withdrawals.

	MALES.		FEMALES.		Total.
	Pul-monary	Non-Pul-monary	Pul-monary	Non-Pul-monary	
Number of cases of Tuberculosis on the Register at the commencement of the year	85	43	73	35	236
Number of cases notified under the Tuberculosis Regulations for the first time during the year	14	4	17	5	40
Number of cases restored to the Register having been removed previously	0	0	0	0	0
Number of cases added to the Register and brought to notice otherwise than by formal notification	1	1	2	1	5
Number of cases removed from the Register during the year	11	3	7	3	24
Number of cases remaining on the Register at the end of the year, 1947	89	45	85	38	257

New Cases of, and Mortality from Tuberculosis, 1947.

Age Period in Years.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	0	0	0	0	0	0	0	0
1—5	0	0	1	0	0	0	0	0
5—15	2	0	0	0	0	0	0	0
15—25	4	3	3	2	0	0	0	3
25—35	4	7	1	0	0	2	1	1
35—45	3	6	0	3	4	0	0	0
45—55	1	1	0	0	3	1	0	1
55—65	1	2	0	1	2	1	1	0
65 and over	0	0	0	0	0	0	0	0
Totals	15	19	5	6	9	4	2	5

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Laboratory Facilities:

The Emergency Public Health Laboratory Service still continues to function. It provides both a Bacteriological and Pathological Service, and continues to play a vital part in the maintenance of the health of the community, particularly with regard to early diagnosis of Infectious Diseases, and the isolation of Infectious Disease "carriers."

Ambulance Facilities:

The Carmarthen Borough Division St. John Ambulance Brigade continued the ambulance service it inaugurated last year. This Ambulance Service covers the following Parishes in the rural area in addition to the Borough of Carmarthen. The Parishes so served are Llangunnor, Llandefeilog, Llanddarog, Llanstephan, Llangynog, Llangain, Llanpumpsaint, part of Llangendeirne, St. Ishmael, Abergwili, Mydrim, Newchurch and St. Clears. The personnel of the Division are mainly voluntary, and their keenness and enthusiasm has resulted in the service being an extremely efficient one.

Some idea of the work done by the Division can be deduced from the fact that during the year 970 patients were carried.

It is regrettable that this Scheme is not as well supported as it should be.

Nursing in the Homes:

This is carried out by the Carmarthenshire County Nursing Association through eighteen District Nursing Associations, and is under the supervision of the Public Health Department of the County Council. The District Nursing Associations are situated as follows:—

Drefach.	Llangendeirne.
Abergwili.	Ferryside.
Llanstephan.	Whitland.
Llangunnor.	Dyffryn Taf.
Pontyates.	Gorslas.
Llanegwad.	Llangathen.
Laugharne.	St. Clears.
Llanboidy.	Trelech.
Abernant and Newchurch.	Conwil Elfed.

All these Associations undertake midwifery on behalf of the County Council, and twelve undertake Health Visiting and School Nursing.

Infant Welfare Centres:

These are under the control of the County Council, and at present there are five Infant Welfare Centres for children under five years of age situated in the Rural District, viz.:—

Gorslas.	Whitland.
Llanstephan.	Pontyates.
Carmarthen.	

Additional Centres will be opened in the near future at Ferry-side and Laugharne.

The following Infant Welfare Centres situated in adjoining Districts also cater for children under 5 years of age who are resident in the Carmarthen Rural District:—

Kidwelly.	Tumble.
Pontyberem.	Llandilo.

Hospital Accommodation:

(i) Infectious Diseases:

The Infectious Diseases Hospital is situated at Upper Tumble, near Llanelly, and is under the direct control of the County Council. The Rural District Council contribute by rate to the County Council, so that any person admitted receives treatment and maintenance free of cost.

(ii) Maternity:

This is under the control of the County Council, and they have an Agreement with the Carmarthen County Infirmary for the admission of suitable maternity cases for confinement. The County Council rent sixteen beds in the Maternity Block for this purpose. The County Council administer the Penlan Maternity Unit, Penlan Road, Carmarthen, as an Annexe to the Carmarthen Infirmary Maternity Unit.

Venereal Diseases:

This is under the control of the County Council. There are no Venereal Disease Clinics situated in the Rural District: the nearest Clinic administered by them is at the General Hospital, Llanelly, and travelling expenses to enable patients to attend this Clinic and the Swansea Clinic are granted to patients by the County Council according to their financial circumstances..

Tuberculosis :

As stated in my last Annual Report, the housing conditions of many persons suffering from Tuberculosis is deplorable, and while such conditions remain, any good the persons derive from Institutional treatment is quickly out-weighted upon returning to their homes.. It is therefore a matter of urgency that the Council should press on at high speed with their Housing Programme.

The Care of Unmarried Mothers and their Children :

This is administered by the County Council. Accommodation for ten expectant and ten nursing mothers is available at Plasnewydd Mothercraft Hostel, Burry Port. Patients are confined under the Maternity Hospital arrangements of the County Council. This Hostel was taken over by the County Council from the Women's Voluntary Services in August, 1947, and is available to residents of the area administered by the County Maternity and Child Welfare Committee and to other Welfare Authorities who have arrangements with the County Council for the reservation of beds. Subject to beds being available, patients may be also admitted from other areas, provided the Welfare Authority concerned accept responsibility for the full cost of maintenance and treatment.

The County Council maintain close co-operation with the St. David's Diocesan Moral Welfare Committee.

SANITARY CIRCUMSTANCES OF THE AREA.

Housing :

During the year the Council started on its Housing Programme. Housing is still the greatest problem facing the Council, and it is to be hoped that all concerned will make every effort to complete the Building Programme as expeditiously as possible.

The need for houses cannot be too strongly stressed, and whilst young people have to continue to live in rooms the growth of family life which is so essential to the well-being of the Country is greatly handicapped.

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on the position at the end of the year 1947:—

“ At 31st December, 1947, the following houses were under construction:—

Abergwili Parish	...	...	4
Llanarthney Parish	...	...	22
Llanddarog Parish	...	...	8
Llangendeirne Parish	...	...	12
St. Clears Parish	...	...	16
Whitland Parish	...	...	14
Newchurch Parish	...	...	4

Two houses were completed.”

Water Supply:

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows on Water Supplies within the rural district:—

“ The provision of an adequate supply of water to the entire population of the Rural District remains to be the ultimate objective of the Council, who have approved in principle the Eastern Area Water Supply Scheme, details of which appeared in the 1946 Annual Report.

The Western Area Water Supply Scheme, also detailed in the above report, has been finally approved by the Council, and the approval of the Welsh Board of Health is now awaited.

Great interest is being shown by all Authorities concerned in the materialisation of the Towy Water Scheme, and to this end the Carmarthen Rural District Council have stated their requirements for the Rural District to be 1.4 million gallons per day.

It is interesting to note that of the 1,441 premises supplied with water under pressure, 1,065 have already been connected to the Council's mains. The number of those dependent upon their supply from Public Standpipes is rapidly diminishing, and it is hoped that in the near future it will be possible to discard most public standpipes.

Dwelling Houses and number of population supplied from public water mains are as follows:—

Parish.	Village.	Houses Supplied from Standpipes	Houses connected to mains.	Total.	Popula- tion.
Abergwili	Nantgaredig	16	4	20	90
Pendine	Pendine	7	38	45	300
Henllanfallteg	Llanfallteg	4	42	46	100
Whitland	Whitland	43	121	164	1900
Trelech - ar - Bettws	Trelech	12	7	19	110
Llangendeirne	Pontyates	65	135	200	1080
Llangendeirne	Carway	4	61	65	330
St. Ishmael	Ferryside & Llansaint	89	125	214	1630
Llanarthney and Llanddarog		72	426	498	3700
Llanstephan	Llanstephan	52	100	152	680
Abernant	Talog	12	6	18	70

Sampling of Water Supplies:

Sampling of water supplies is carried out by the Sanitary Inspectors, and is performed as carefully as possible.

Bacteriological examination of water is carried out at the Emergency Public Health Laboratory, Carmarthen, and Chemical examination is carried out by the Public Analyst at the County Hall, Carmarthen.

With the exception of one source, no supply has a plumbo-solvent action. The source referred to is treated by filtration through magnesite before entering the service mains, and tests of the water in these mains have not shown any plumbo-solvent action.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

Date.	Source.	Type of Examination.	Result.
17/2/47	Whitland Public Supply	Bacteriological	Satisfactory.
25/2/47	Clare Shallow Well, St. Clears	"	Satisfactory.
25/2/47	Whitland Public Supply	"	Satisfactory.
26/4/47	Public Pump, Pwlltrap, St. Clears	"	Doubtful, slight pollution.
28/4/47	Merthyr Vicarage Well	"	Doubtful, slight pollution.
1/5/47	Overflow, Pendine Public Supply	"	Satisfactory.
1/5/47	Tap in Village, Pendine Public Supply	"	Satisfactory.
1/5/47	Broadway, Laugharne Public Supply	"	Doubtful, slight pollution.
1/5/47	Laugharne Public Pump, No. 1	"	Unsatisfactory.
1/5/47	Llanstephan Western Public Supply	"	Unsatisfactory.
1/5/47	Llanstephan Eastern Public Supply	"	Satisfactory.
1/5/47	Laugharne Public Pump, No. 2	"	Satisfactory.
28/5/47	Abernant Village Supply	"	Satisfactory.
6/6/47	Llanboidy School Supply	"	Very Unsatisfactory.
9/6/47	Well at St. Clears	"	Satisfactory.
9/6/47	Spring at Broadway Village, Laugharne	"	Satisfactory.
9/6/47	Overflow, Pendine Public Supply	"	Unsatisfactory.
9/6/47	Tap in Village, Pendine Public Supply	"	Unsatisfactory.
9/6/47	Midland Well, St. Clears	"	Unsatisfactory.
25/6/47	Pump at Ffynnonwen School	"	Satisfactory.
30/6/47	Overflow, Pendine Public Supply	"	Unsatisfactory.
30/6/47	Tap in Village, Pendine Public Supply	"	Unsatisfactory.
2/7/47	Whitland Public Supply	"	Satisfactory.
9/7/47	Pump near Laugharne School	"	Unsatisfactory.
9/7/47	Corvus Well, St. Clears	"	Satisfactory.
22/7/47	Trelech Village, Supply	"	Unsatisfactory.
23/7/47	Llandre Well, Llanpumpaint	"	Satisfactory.
28/7/47	Cloth Hall Well, St. Clears	"	Unsatisfactory.

SAMPLES OF WATER TAKEN DURING THE YEAR FROM PUBLIC SUPPLIES.

Date.	Source.	Type of Examination.	Result.
28/7/47	Whitland Public Supply	Bacteriological	Unsatisfactory.
29/7/47	Trelech Village Supply	"	Unsatisfactory.
29/7/47	Penybont Village Supply	"	Doubtful.
10/9/47	Whitland Public Supply	"	Satisfactory.
10/9/47	Pump at the Yard, St. Clears	"	Unsatisfactory.
12/9/47	Overflow, Pendine Public Supply	"	Unsatisfactory.
12/9/47	Tap at the Village, Pendine Public Supply	"	Unsatisfactory.
1/10/47	Mansion Well, Laugharne	"	Doubtful, slight pollution.
1/10/47	Church Well, Laugharne	"	Doubtful, slight pollution.
1/10/47	Pump at Laugharne School	"	Unsatisfactory.
1/10/47	Pump in Newbridge Road, Laugharne	"	Doubtful, slight pollution.
1/10/47	Land Sprung at Broadway, Laugharne	"	Unsatisfactory.
6/10/47	Knoll Well, Mydrim	"	Satisfactory.
20/10/47	Corvus Well, St. Clears	"	Satisfactory.
20/10/47	Lewis Terrace Well, St. Clears	"	Satisfactory.
20/10/47	Bradford House Pump, St. Clears	"	Unsatisfactory.
20/10/47	Town Hall Pump, St. Clears	"	Unsatisfactory.
20/10/47	Whitland Public Supply	"	Satisfactory.
28/10/47	Llanstephan Village Eastern Supply	"	Doubtful, slight pollution.
28/10/47	Llanstephan Village Western Supply	"	Unsatisfactory.
19/11/47	Overflow, Pendine Public Supply	"	Unsatisfactory.
19/11/47	Tap at Pendine Village	"	Satisfactory.
8/12/47	Llanpumpaint School Supply	"	Satisfactory.
30/12/47	Towy Bridge Supply	"	Satisfactory.
30/12/47	Pensarn Village Supply	"	Unsatisfactory.
30/12/47	Croesyceilog Village Supply	"	Unsatisfactory.
30/12/47	Llandeilo Village Supply	"	Unsatisfactory.

Domestic Connections to Farm Water Supply Systems:

Grant-aided Schemes of the County War Agricultural Executive Committee:

The Sanitary Inspectors have co-operated with the Water Supplies Officer of the Carmarthenshire Agricultural Executive Committee, and during the year have taken samples of water for examination from proposed sources of supply.

Drainage and Sewerage:

Mr. G. G. Thomas, the Council's Engineer and Surveyor, reports as follows:—

“ It is gratifying to note that the Council have approved a Sewerage Scheme for the town of Whitland, and it is hoped that other schemes will be considered with equal eagerness.

In the near future, the following Schemes will be placed before the Council for their consideration:—

Ferryside and Llansaint Villages; Abergwili Village.

REFUSE COLLECTION.

Refuse collection on a “ contract basis ” has cost the Council £1,014 16s. 3d. during the year, and is made up from the following Parishes in the Western area:—

			£	s.	d.
Llanstephan	...	...	54	12	0
Llanybri	...	...	27	16	0
Mydrim	...	...	29	5	0
St. Clears	...	...	136	10	0
Llanddowror	...	...	18	0	0
Bancyfelin and Sarnau	...	...	61	15	0
Trelech	...	...	17	12	0
Llanboidy	...	...	9	9	0
Clynderwen	...	...	43	8	3
Pendine	...	...	49	4	0
Whitland	...	...	567	5	0
Total			£1014 16 3		

The system of direct labour introduced last year for the greater part of the Eastern, and a small portion of the Western area has proved to be a most efficient service. It is hoped during the coming year to introduce this system of refuse collection for the Western area.

The System of direct labour in the Eastern area has cost the Council approximately £736 15s. 0d. during the year, and shows an approximate saving of £203 on the old system of collection by contract for the same area.

MOVEABLE DWELLINGS.

Four licences for the use of moveable dwellings were issued during the year.

RODENT CONTROL.

The Rodent Control Scheme has been maintained at a very high level during the year under the control of the Rodent Operators and with the co-operation of the district Sanitary Inspectors. As far as possible the work was carried out in a regular and systematic manner and the rural area was adequately covered.

Scheme N.S. 12 which provided financial assistance for the treatment of dwelling houses, and which was commenced during the latter part of 1946, was completed during the year.

Owing to the very large and scattered area, together with the difficulty in obtaining transport, the Operators were provided with a Motor Van for the purpose of travelling in connection with their duties. This Van has proved to be of great assistance, and a much greater area was therefore covered.

The technique adopted in control measures is that recommended by the Ministry of Food, with Zinc Phosphide and Red Squill as the principal poisons, and sausage rusk as the pre-bait medium. Gassing was resorted to in certain instances.

A brief summary of work done during the calendar year is as follows:—

1. Premises treated on a " Contract " basis	...	52
2. Premises dealt with by payment (other than " Contract " or Scheme N.S. 12)	...	9
3. Number of dwelling houses inspected under Scheme N.S. 12	...	600
4. Number of dwelling houses found to require treatment and dealt with under Scheme N.S. 12	...	257

The estimated " Kill " (according to Ministry of Food formula) is as follows:—

	Rats.	Mice.
Under 1 above ...	1621	452
Under 2 above ...	14	68
Under 4 above ...	1208	—
Total estimated " Kill "	2843	520

Administration of the Factories Act, 1937:

Duties of the Sanitary Authority under the Factories Act have been carried out by the Sanitary Inspectors as part of their routine work, and a close liaison has been maintained with the Inspector of Factories.

Part 1 of the Act.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises. (1)	M/c. line No. (2)	Number on Register. (3)	Number of			M/c. line No. (7)
			Inspections. (4)	Written Notices. (5)	Occupiers prosecuted. (6)	
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	1	62	37	1	Nil.	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	82	48	Nil.	Nil.	2
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	3	Nil.	Nil.	Nil.	Nil.	3
Total		144	85	1	Nil.	

2. Cases in which DEFECTS were found.

Particulars. (1)	M/c. line No. (2)	Number of cases in which defects were found.			Number cases in which prosecutions were instituted. (7)	M/c. line No. (8)
		Found. (3)	Remedied. (4)	Referred. To H.M. Inspector. (5) By H.M. Inspector. (6)		
Want of cleanliness (S.1)	4	Nil	Nil	Nil	Nil	4
Overcrowding (S.2)	5	Nil	Nil	Nil	Nil	5
Unreasonable temperature (S.3)	6	Nil	Nil	Nil	Nil	6
Inadequate ventilation (S.4)	7	Nil	Nil	Nil	Nil	7
Ineffective drainage of floors (S.6)	8	1	1	Nil	Nil	8
Sanitary Conveniences (S.7) :—						
(a) insufficient	9	Nil	Nil	Nil	Nil	9
(b) Unsuitable or defective	10	2	2	Nil	Nil	10
(c) Not separate for sexes	11	Nil	Nil	Nil	Nil	11
Other offences against the Act (not including offences relating to Outwork)	12	1	1	Nil	Nil	12
Total		4	4	Nil	Nil	

Part VIII of the Act.

Outwork

(Sections 110 and 111).

The return required under Part VIII. of the Act is " Nil."

SCHOOLS.

The Local Education Authority is the County Council. There are 57 Primary Schools (58 Departments) and 2 Secondary Schools within the rural area. No new Schools were opened in the district during the year, and no Schools were permanently closed.

Schools closed on account of Infectious Diseases :

St. Clears Voluntary Primary School was closed from the 9th to the 19th December on account of an epidemic of measles.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Diphtheria :

It is interesting to peruse the Notification and Death rates of Diphtheria in the rural area from 1893 to 1947.

From the Table it is seen that the Notification Rate of Diphtheria has varied from year to year, e.g., in 1901 it was 5.606 per 1,000 estimated population, in 1926 it was 1.528, and in 1941 0.881 per 1,000 estimated population.

Since 1941 intensive campaigns for the immunisation of children against Diphtheria have been carried out, and each succeeding year the notification of persons suffering from this disease has steadily fallen, until this year, i.e., 1947, not one case of Diphtheria has been notified.

Infantile Paralysis :

During the year 5 male and 5 female cases were notified as suffering from the disease. Two of these were over 25 years of age, one was over 15 but under 25, and the other 7 cases were under the age of 15 years. All these patients were isolated in Hospital, and the majority made complete recovery, and there were no deaths.

INFECTIOUS DISEASES.

Number of Cases of Infectious Diseases originally notified during the year 1947, and of the Final numbers according to Sex and Age after Corrections subsequently made either by Notifying Medical Practitioner or by the Medical Superintendent of the Infectious Diseases Hospital:—

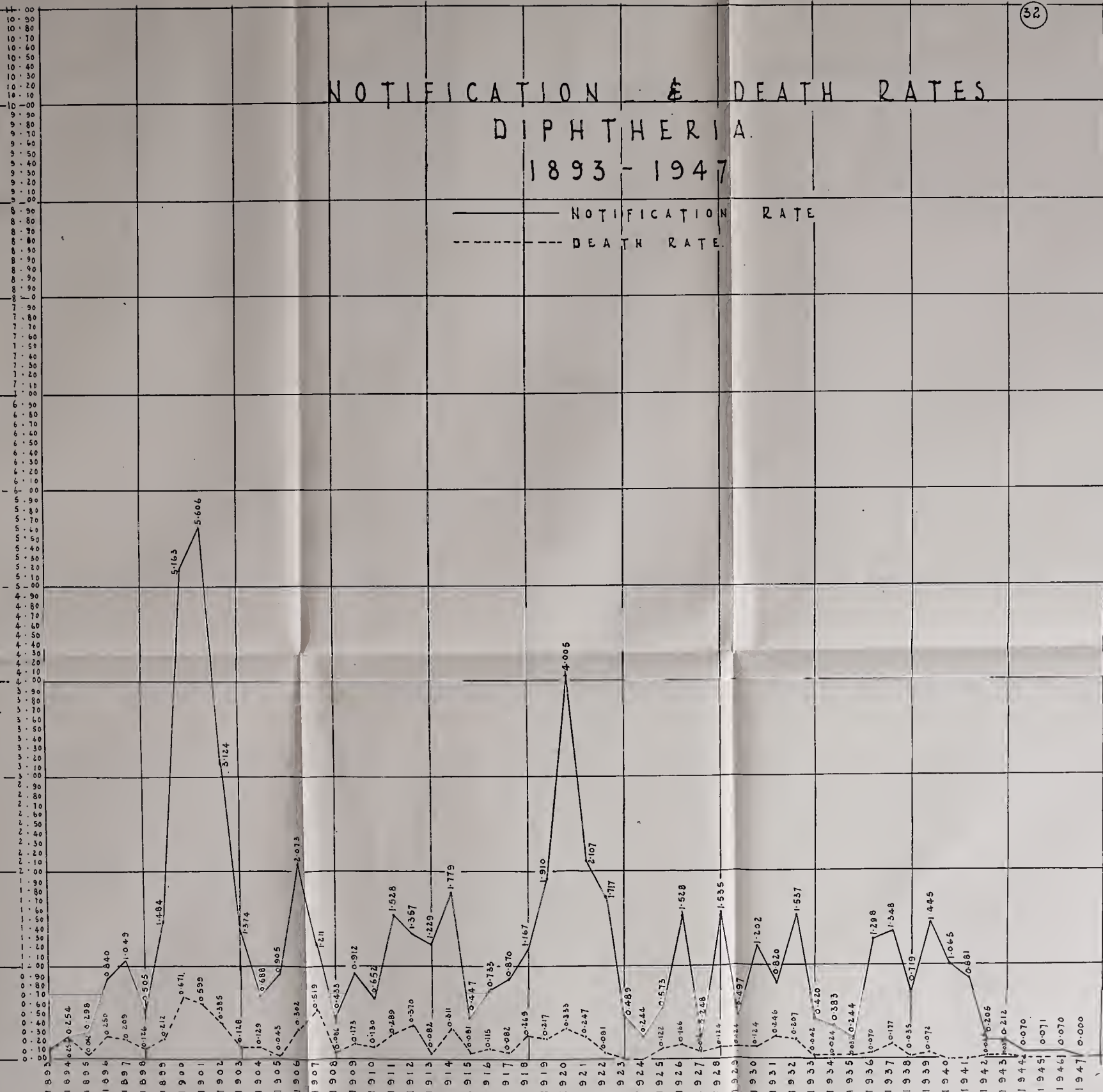
NOTIFICATION & DEATH RATES

DIPHTHERIA

1893 - 1947

— NOTIFICATION RATE
 - - - - - DEATH RATE

RATE PER 1000 ESTIMATED POPULATION



[illegible]

Distribution of Notifiable Diseases into Parishes:

Parish.	NOTIFIABLE DISEASE.							
	Scarlet Fever	Measles	Pneumonia	Puerperal Fever	Ac. Ant. Poliomylitis	Ac. Ant. Encephalitis	Whooping Cough	Cerebro-spinal Fever
Abergwili	8	5	.....	.....	.....	1	3	.....
Abernant .....	.....	.....	.....	.....	.....	1	.....	.....
Conwil Elfed	2	7	.....	.....	1	.....	.....	.....
Llanllawddog .....	.....	1	.....	.....	.....	.....	.....	.....
Llanpumpsaint	1	.....	.....	.....	.....	.....	.....	.....
Llanarthney	7	29	.....	1	2	.....	.....	1
Llanddarog	2	25	.....	.....	.....	.....	.....	.....
Llangunnor	5	5	.....	.....	1	.....	.....	.....
Llandefeilog .....	.....	.....	.....	.....	.....	.....	.....	.....
Llangendeirne	1	2	.....	.....	1	.....	.....	.....
St. Ishmael	1	.....	.....	.....	.....	.....	.....	.....
Llangain	5	.....	.....	1	1	.....	.....	.....
Llangynog .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanstephan	1	1	.....	.....	.....	.....	.....	.....
Newchurch .....	.....	7	.....	.....	.....	.....	.....	.....
Laugharne	7	5	.....	.....	.....	.....	1	.....
Llanddowror	1	.....	.....	.....	.....	.....	.....	.....
Llanginning .....	.....	.....	.....	.....	.....	.....	.....	.....
Llanwinio .....	.....	.....	.....	.....	.....	.....	.....	.....
Mydrim .....	.....	.....	.....	.....	.....	.....	.....	.....
St. Clears	1	32	.....	.....	.....	.....	.....	.....
Trelech-ar-Bettws	1	.....	.....	.....	1	.....	.....	.....
Cilymaenllwyd	1	.....	.....	.....	.....	.....	.....	.....
Henllanfallteg .....	.....	.....	.....	.....	.....	.....	.....	.....
Llandssilio-East .....	.....	.....	1	.....	.....	.....	.....	.....
Eglwyscummin .....	.....	2	.....	.....	.....	.....	.....	.....
Llanboidy .....	.....	.....	.....	.....	.....	.....	.....	.....
Pendine	1	.....	.....	.....	1	.....	.....	.....
Whitland .....	.....	.....	.....	.....	.....	.....	.....	.....
Total	45	121	1	2	8	2	4	1
Number of cases Isolated at home	9	120	1	.....	1	.....	3	.....
Number of cases removed to Isolation Hospital	36	1	.....	2	7	2	1	1

DIPHTHERIA IMMUNISATION.

Children aged 5—15 years:

Number immunised during the year—29.

The estimated number of children aged 5—14 years in the Rural District for mid-year 1947 is 3,891, of which number 3,205 have been immunised against Diphtheria, giving a percentage of 82.4

Children under 5 years of age:

Number of children 1 to 5 years of age who were immunised during the year—272.

The estimated number of children under 5 years of age in the Rural District for mid-year 1947 is 2,239, of which 936 have been immunised against Diphtheria, giving a percentage of 41.8.

Total number of children who were given a secondary or re-inforcing injection, i.e., subsequent to complete full course, during the year is:—

Children 0—14 years of age—161.

FOOD POISONING.

No cases of food poisoning were notified during the year.

INSPECTION AND SUPERVISION OF FOOD.

Milk Production:

Some farms still do not come up to the desired standard required for the production of milk in a clean and wholesome condition.

Close co-operation was maintained during the year between the Advisory Officers of the County Agricultural Executive Committee and the Sanitary Inspectors, and it is hoped that their united efforts will have the desired results.

Foodstuffs condemned by the Sanitary Inspectors at Shops, etc. (excluding the Slaughterhouse):

Meat—539 lbs.	Bacon—159 lbs.
Ham—45 lbs.	Fish—66 Stone.
Dried Fruit—25 lbs.	Flour—560 lbs.
Macaroni—83½ lbs.	Butter and Margarine—36 lbs.
Yeast—21 lbs.	Tinned Foodstuffs—62 tins.

**LICENCES HELD IN THE RURAL DISTRICT AREA
UNDER THE MILK (SPECIAL DESIGNATIONS) ORDERS,
1936—1947.**

Tuberculin Tested Milk :

Number of Tuberculin Tested Milk Licences	...	301
Bottling licences in respect of premises other than places of production	... ..	1

Accredited Milk :

Number of Accredited Milk Licences	...	390
Bottling licences in respect of premises other than places of production	... ..	Nil.

Pasteurised Milk :

Number of Pasteurised Milk Licences	...	2
Number of Dealers' Licences	...	Nil.
Licences issued in respect of " Holder " system of Pasteurisation	... ..	Nil.
Licences issued in respect of " High Temperature Short Time " system of Pasteurisation	... ..	2

Milk Sampling :

Sampling of Tuberculin Tested and Accredited milk was carried out by the County Council. Sampling of Pasteurised and ungraded milk was carried out by the Sanitary Inspectors. The number of samples taken and results is as follows:—

	Number Unsatis- factory.	Number Satis- factory.	Total.
Samples of Tuberculin Tested Milk sent for bacteriological examination	169	368	537
Samples of Accredited Milk sent for bacteriological examination	278	514	792
Samples of Ex-designated milk sent for bacteriological examination	29	49	78
Samples of Pasteurised milk sent for examination	1	14	15
Samples of Ungraded milk sent for bacteriological examination	84	157	241

In addition, 4 Tuberculin Tested milk samples were taken by the Sanitary Inspectors on behalf of the Welsh Board of Health. The 4 samples were satisfactory.

THE FOOD AND DRUGS ACT.

The Food and Drugs Authority for the area is the County Council. Mr. D. R. Watkins, Chief Inspector of the County Council, reports as follows on work done during the year under the above Act in the area of the Carmarthen Rural District:—

Milk :

Total number of Milk samples taken ...	... 116
Number certified to contain added water ...	... 15
Number certified deficient in fat ...	... 11

Legal proceedings were instituted against five milk producers, but at the end of the year one case had not been heard. Convictions were registered in three of the cases, the justices imposing fines totalling £31 plus costs to the amount of £11/10/0.

The fifth case dismissed at the Magistrates' Court was the subject of an Appeal on a point of law, and the case is being referred back by the King's Bench Division of the High Court.

Miscellaneous Articles of Food and Drugs :

Number of samples taken ...	... 43
Number certified genuine ...	... 40
Number unsound in condition ...	... 3

The unsatisfactory articles were cake and pudding mixtures which had become infected with Meal Mite, and the sellers were cautioned and instructed to withdraw the remaining packages from sale.

Spirits :

Six samples of various spirits were purchased, and all were found to be genuine.

Defence Regulation 55G :

32 samples of Pasteurised and Heat-treated milk were taken with the following results.—

Number satisfactory ...	... 31
Number unsatisfactory ...	... 1

MEAT INSPECTION.

There is no change regarding the method adopted for meat inspection. Centralised slaughtering is carried out at the Carmarthen Borough Abattoir.

The Sanitary Inspectors, in conjunction with the Sanitary Inspector for the Borough of Carmarthen, attend the Abattoir and carry out an inspection of the carcasses slaughtered.

Slaughter of Animals Act, 1933 :

222 persons have been licenced as slaughtermen within the area.

SANITARY INSPECTION OF THE AREA. .

For the purposes of Sanitary Inspection, the area is divided into three districts, with a Sanitary Inspector for each district.

Carmarthen District—Wm. Williams, Senior Sanitary Inspector.

Llangendeirne District—H. E. Williams, Sanitary Inspector.

St. Clears District—W. D. Morgan, Sanitary Inspector.

Each Sanitary Inspector works under the general direction of the Medical Officer of Health, and makes a report on his area each month to the Council.

Record of Visits for 1947:—

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
GENERAL SANITATION.				
Water Supplies	86	26	77	189
Drainage	44	54	57	155
Offensive Trades			17	17
Tents, Vans, Sheds	13	24	15	52
Factories	22	10	7	39
Bakehouses	1	7	10	18
Public Conveniences	11	15	11	37
Refuse Collection	4	6	32	42
Refuse Disposal	43*	28	27	98
Rats and Mice	5	14	2	21
Schools	9	20	14	43
Miscellaneous Sanitary Visits	11	8	20	39
HOUSING				
Under Public Health Acts.				
Number of Houses inspected	63	70	50	183
Visits paid to above houses	85	73	76	234
Under Housing Acts.				
Number of Houses inspected	98	185	109	392
Visits paid to above houses	177	192	146	515
Overcrowding.				
Number of Houses inspected	12	12	7	31
Visits paid to above houses	12	12	9	33
Verminous Premises.				
Number of Houses inspected		.....	.....	..
Visits paid to above houses	..	.....	.....	..
Miscellaneous Housing Visits	24	6	24	54
INFECTIOUS DISEASES.				
Inquiries in cases of Infectious Diseases	17	35	17	69
Miscellaneous Infectious Disease Visits	1	3	2	6
Number of rooms disinfected	18	36	14	68
Number of times Steam Disinfector used	.....	1	.....	1

Nature of Visit or Inspection.	Carmarthen District.	Llangendearne District.	St. Clears District.	Total.
MEAT & FOOD INSPECTION				
Inspection of Meat and Meat Shops.				
No. of visits to Central Slaughterhouse in the Borough of Carmarthen	10	31	18	59
No. of visits to Shops and Stalls	9	13	15	37
No. of visits to Butchers	.....	.....	9	9
Milk and Dairies Orders.				
No. of producers in area	2500 in whole area.			
No. of retail purveyors in area	260 in whole area.			
No. of visits to cowsheds	131	59	116	306
No. of new cowsheds provided	1	.....	3	4
No. of cowsheds reconditioned	43	10	22	75
NOTICES SERVED.				
Under the Housing Acts.				
No. of informal notices served	46	7	6	59
No. of informal notices complied with	34	2	2	38
No. of formal notices served	4	5	2	11
No. of formal notices complied with	.....	.....	1	1
Under the Public Health Acts.				
No. of informal notices served	28	9	4	41
No. of informal notices complied with	21	5	2	28
No. of formal notices served	.....	4	1	5
No. of formal notices complied with	.....	1	1	2
Under the Milk and Dairies Orders.				
No. of informal notices served	.....	.....	10	10
No. of informal notices complied with	.....	.....	4	4

